No 85 Sansom

An Essay Paped March 12 1828

Diabetes

By Sames Sones of George Town D. C.

Written for the Dogwo of Doctor of Medicine.

In the University of Pennsylvania

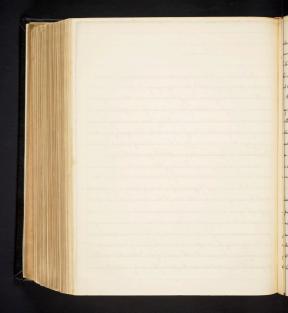
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A.D. 1828.



Deabets in its history, symptoms causes furthely of the care possible a life of important 8 intensity engages. In its history involving the consideration of name 8 haybethere concerned in the armalis of our possible in its symptoms whilsting the compleation of a rare framewous for tangens string and inite courses pathology. Four strong many in the capture of a rare framewous for tangens string and inite courses pathology. Four strong and in production of course of prediction of the course of the cours

It close of showerly constope the history of the decare. The eye of answer is much the secretic of ancient mechanicale inspect the sounders. It he takes and Repectals upon its early history. I ymplumatic insell his secret of secretions in the nature the memory have made it the effect of special regard. One classes quanter the american have been returned; the effect of special regard. One classes quanter the american have been returned; the effect of special regard. One classes quanter the american terminate and produced in the second american surface for the end of the end of



whise neight to prough on field because to the information of bilass starieset left from parameter between the formation of the information of the behavioral from the second of the behaviorage freedome before. Then with their regimes fething on they formatly the abhavioral to magnify the inspection to be his momental of forme cultivation that their by the and moderal philosophic on alche assessment.

Bilding admin eilance count, un append to the hurrer of the Sart. In blushed as in the Vedenhungh: beaunal that is a sund brancheded fam the descript muse than the catuits since by the ancient physicians of byten; their are nonmenous accounted have much make; as hungs coincie. The long of her excites in the seasons (imaginal has a time constiprior. The fact abundantly prese that stackets too long on human of protee that it has have transmently trained a million of present police also that the invest domina by the uncernity temps was of a new low about.

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faction where it is the dissense that they as the change in the nature. In a life sugare it medium a pear time a nature is the complete in the pear they distinct in which the time is forgue they found the money in the change of beauty it independently being the infriguentium. It has do much in the fact the interest the change of the infriend in the change of the interest of the change of the interest the surface of the pears to the manifest the interest the surface of the pears to the interest the interest the interest of the standards to the interest the interest of the standards to the interest the interest

The third works discover commands the triand probable confusion of liberal fallows get any general collection the state of the distribution of a major desirable of the confusion of confusion of the confusion of the confusion of confu

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The wine however from the object of universal interest. Vin the fluctuations of its quan tity a qualities have originated the numerous varities of the discour. The quantity of the wine first excited observation; Verrliet atharts the netwer of the uninformed He asinary diurnal proportion varies from ten to thirty fint, in comminstance not excee sing the natural quantity vinother becoming enormous bases of the latter hind one more interesting than important. We have one in Suncare annal, in which the qualit saily decharge was 13 pints one from Propose thapman in which of pint of wine were sixhaeged in left than twelve hours; one from Mr. Baume of 165 pounds daily; I finally Finesca is quoted in the Dictionnaire and ding the excention to onion at 200 lb is 24 hours It has been a wated , that the away of the wine often exceed that of the inquite. That it may exceed that of the liquids every one acknowledges their autous "The quarkty of liquid taken in west equal to the quantity of winer for more wine is passed! This may be explained without much difficulty, because the notionary orticles of animal & orgetable diete contain three freethrof water Vin various culinary processes an additional proportion is consolidated. Thus flow combines with one half water in changing to bead When the wine then surpasses the liquids by two a three presents, the cause is soident, to hing also into consideration the increased specific growity when it or tweight the whole in goto we are involved in a difficulty. It may be proper to consider the outility of the subject: Burdely is the only modern without note who has given instances of it. Vin this he is opposed by Rolla Wall & Sublock The first doubted if thousine once on unded the ingestar Who twe latter declare that they never raw a car of the kind.

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as this religion has always met with some exchance rue will state the scarines hypotheres Curdanus 4. 2.1461 relativithe case of a girl, who passed daily, 36 lbs of wine for 60 days. he diunal ingerta amounting only to 7th. A consultation decided that the exup arose from the conversion of the air in the asteries into water the air being continually uplaced the distrine of the endersation of air into water percalled in the fifteenth V intunth centuries. Bocon has fully illustrated it. The second explanation was by enterelaw absorptions of this Cardanus gave the first hint adding to the opinion in the case above the humidity of the atmosphere Amulle tought smething similar. and magagni & Haller were also disposed to favour the absorption of the agree particles parting in the atmosphere. The first inferiments were made by burie of D. 1790. he subjected a distaltie potient to the warm bath. I discovered no absorption? The concluded for the from numerous experiments that about time oreus neither in health or in disease De firead has communicated 28 accepte experiments upon a diabete with a similar well. which has bun enaborated by the brials of Boardeley I Theniff. The hof their of entirelae about her must be false , because this function is delication health & must themposelle in a disease in which the epideemis is thickened & the sete museum a numic.

At third high there inspecient in change of the block in the pulm many as pelluries. This is pender on a diction of whithin the or fine of sexplanters is an exhalation or the until of medical line. These filmomena was not incompatable, but pulmby occurring the fines of facilities are pulmby occurring the fines of facilities in supportable filmomens to consequent the while injusted "much traffician to when the industrial the facilities to the security of the interest of the facilities to the facilities to the facilities to the facilities of the security of the interest of the facilities of the security of the interest of the security of the securi

L hoi 1/ IL and i aion 20 1 ald mp uk 16 les Hee 5 14 14 The quantity of the names have requested for a waveless of the electrons. He prescripe in the humb represent of themselves the medical for the Superior of them of the state of the Superior of them of the state of

Before I somewhat since the discovery of the suchains nature of diabeticusine divisions aren from its varied transparency. We had then the links & crass of below. the ves & speciose of Etmelle of the lacture of Home of late the distinction has been into sicheter melletus Sincipiare a distinction by no means morning or proper I a fecting neither apostom a heatment, but intently expressing a quater a left proportion of suchaine matter. When taste was the criterion the inseprotus was thus denominated analysis has fraved the constant existence of sugar. In larnely cases bellen found betone energiable hil was probably decided by the taste. Letter opinions which he genter on this inly et are de down by Bostock to be hypothetical. The custine of the diabetes invipidue, as sepending on the absence of sugar, being disperved it follow that the disease de veriled by the ancient belongs to the mellitus. alluding for the last time to this subject we observe that the discoveres of its sacchaine nature endularied no idee that it differed from the uncient disease. It has been faither suggested that the assecuts might have noticed the sweetness of the wine I alterlated it to quantities of hydronal which they habitually consumed . On the Cullen witerwell . Though neither the ancients nor in the countries of Europe the moderne till the latter wow directed to

<sup>-</sup> wine being subject as part for the whole

141 X.S. le Ve Ele Jai di 46 Z CALL 2000 1 . . . 60 10 it is the English have taken intere of the mounterful flowment it see not permet, as that wither inconcernt a sur modern terms the universe of mother being:

All discounted the sweeting of the union teaths being it to be above of the soline contents of the permes of restains and forward to be not be sure that the permes it if for a to be not the converted to be not be sure that the permet in the copy of a content of the converted to the sure of the sure of the sure of the converted to the sure of the converted to the sure of the

The universe until by very polluluic sandy-landy. The effects of such of health, universe land fine to the second of the such as the second of the second of

The blood in the disease present preclar timportant phenomena is fait long hours. Intracquisat in the descourse of any particular pures. When just dearward assumes on

pas: 8.80 É t 45 ķ, in. 1 405 . 26 -10 612 14 sque huir bremaining at int fin ema huir coughlite fusewhing a mafiry atta can usuahum coming for the med fourth auth a thin and if yillin half. Expendent this let a clim of the admir flow the let desired to the action of the almost flowers the level at met the house of a dischetic in whem them was a some in opposed with the action of medical countries that a largest like could made their climber of the forth a largest like could made their climber of the half that he had abled they present of sugar while blood an openion industrial by the commission of the latest obtained to the paint of the present of present in the latest latest of the paint between presenting years that anomalies of capital testing obtained to the paint between the present of the paint of the latest ending the blood on the paint of the latest ending the blood on the paint of the latest ending the latest ending

The state of the show in standate is any fixuline: In medition to one present sweetfilm: the indiction many cases is much thinkness to prove have 8 must be muttered as you matrix likes the makes of a fish. Profunding 18 the virty counting step 8 the Ann I cillular membersary almost associated mountainty, are contracted by faces again the measures. To describe resultates to present strategies as by it as changing machine is all the sym-

To travel, realise to found to disagness by the a langle, maches is all to ope found a figurally wealable copicially in bulleans. He rage at which course have right monotonous of from the land to the above mistakes. He has been much y author of confirmed as Medical that and discoursely in the bollowing life of the discolution of the constitution. The question exit malon, the wit W. Series Series La må 40 pper Cir. 4 ide als 1 10 4 decrime of instinctual expressions: but in the programming of mathematic I indepensant course. From the underly Thems Belle Francis Americally deathern Watt. Francis. It has handen. Educationally I more held Francis Americal and a substance of the substance o

Scaleties their entering course of function of the expectation than amount of the external of

tro 4 23.5 633 hu 4 de j. 20 de -Q. ď. 1/ to come gibbon backing the habit of the patients of the cause of the stinesser. You i that only one dark home been some of colomposate that it has the the the the season to see in graph on a distinct the cause the proposate as it is expedite member of the copied as of the opening the cause the proposate or it the gracial member of the copied as of the opening the capture of interest of the opening the capture of the continues of the member of the copied as the

The varies which further this disease with man expedition in a similar lets in action forms appears to be one of the most effective inseces. Indiano impersions I said them have found to be mortioned have a semilar action. This disease is frequently brought in by exclaiming ato. This Provides with that displaness hing of cliffs, oftended disability from each grain the Boundary of this obtain sich a case waveling of the action which is not a consistency of the action of the action with a case waveling of the action of the action when we will be a statement of the large man and action of the action o

rupping on cold lamb Veablage.

The pathology of Iral disciplinating Finlainte: The racious attempt which have been made to extend the reflection the various phenomenas may be distinguished in X est BENE 86 pp. I t t. 40 Sin N CA in: asi. me to. by the denominations of the renal the communicating the sanguineous the gastic. time being too precious to allude to there of Meade. March for Helment & others. The renal pathology bear the hour of the evers of untiquity. The ancients being im cant of the sacchasine nature of the wine reasoned correctly in supporing dialities on in around secretions untaus thought it a celd I Galon a hot temperature of the hidroge The former thought it a decopory differing only in the breelity of the effecien. I the latter gase the hidney a maked appeting to athack the secum from the emulgents. Fan along of the pur to transmit it puly ounchanged. Both thought that the exists mell to pass out. To the heat of Galen atters added the afflice of sharp directic human & Paracel no supposed a union of chimical & vital phenomena. Et mulle & Hichter weget also a direction otimulus the latter teaching farther a sporting therenal vessels. Tenants man acticle lettle quoted ranks the affection of the hidneys a convious of the diserse; consider in a utaxation of the sensels Van initiation of these organs. Duncar supposes something similar ban Switen consider dialeties a relanation of the unal duste of Terriar as a metadasis to the kidneys. The ablest & boldest defending the renal publishing is Dr. ford who has concentrated all his vast resources in its defence. Udopting the doction of Golon he has given it a modern aspect the malerial alteration being the supposition of a peculiar renal inflammation. Thus arranged it will account in his opinion for all the other symptoms. The make initation will in the way account alone for the quantity queine In the blood he sees nothing but the signs of in farmation Vin the secution of sugar no anomaly because it is famed by other agans in health I in disease.

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Down also looks upon diabetes as an inflammation of the kidneys. The communication of the stomach with the bladder a hidney, is an old excel The majority of the ancient believed allegether that such was the course of the wine . Ven But day it has been assumed to explain the quantity squalities of dealetic arine: In. when as discound that the chigh & dicketic wine were rechoning we assumed it with the same inefable case to immunicate the qualities of the ne to the other. Hipporte believed the office of enducting the usine from the stomach; to the bladder, to be performed by artain veins. by low laught in diabetes, the enlargement of the passages or present the bottom of the stomach by which the liquids were to pass through the mentum to the hidneys. Et multivate o says that the cours of the brus dialeters the opening of the parages lea ding from the prima via to the reins." To true ray he there we not get discovered but the quick parage of some fluids & this execution is that any alteration in whom taste or mell would sam to farme it." The chervation of Galen & Hildennes confirm the same walso these of Bartholin who represent the cause to the lactals. The ingenious & gullful Darwin distinguished himself by the development of final improvement of the hypothesis. The leading idea was a supposed sympathy among all the brancher of the lymphatice insomuch that when any one is stimulated into unusual hinds or quali ties of motion some other branch has its motions either incusaed deceaned a incited at the seme line. This sympathy he supposed to depend upon habit. This doction rest upon be expressions the sympathy sincested action of the lymphatics, I the existence of these sends between the Amach Vicinisy organs Physiology Vancitomy diffrance either .



Sometus believed that there is a passage between the liver & the hidneys. Turing the excellations of medical hypotheses, a disadred state of the blood has received many from Suble supporters dong partially hinted at. Willis feet employed to explain sialeter an advocate for the chimical destrines he supposed a certain proportion of salts munary to the proper ceasing the blood by the absence or crystallization of which the fenow of the blive takes place. It is prematurely depresed of its source. Sidenham adj. ting the idea of Willis nestained it by a mar tenable Vintelligible hypotheris. The repe ad it to the want of a proper animilation. "The juices say he in his procures integris, which on brought into the blood being crude Vandigested seek a way fith through the winny sucts" The thought the vasis of the blood might also be thus weakened from four or the ly of blood. Heing unable to eximilate the juice they are discharged unconcected. Sal non developed will farther there dictiones of Willis V Sychenham. He supposed the by of affinity between the cranamentum Forum to wise in many cases from a log, of the concertive faculty of the stomach & brush . Chegue in his Evay on Thealth in timing the train of the English philosophers mentions, that when those living feely, sucharge large quantitie of pale, limped Vowest wine it is a new sign that porquation is topped & that within the first nor the recordary concertions have been per famed . Dewoult also blomed a faulty assimilation : thinking notwithstanding his the opinion; that it may be considered as the immediate course of this disease; without any malife a fection of the kidneys. They who will examine the formulaise of a century ince will the remedies for this disease among the incrawants. There in the Prescripti

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of Fully I Radeliffe Vin the pharmacopies of Bater V Salmon we discout the Jan quinered the reigning hapothesis. Thus proceeded the decline of unanimilated blood with few a noreprenew to diquetion until a proper analysis of the wine gave a new in polis to inquiry . Nome now respond that digertion went wrong . the healther thechyle the revertee . I the better it explained the phenomena of the disease. This was particularly infirmed by the supposed discours of Dobson. Theme enlisted with the common soice Vouce a has been assisted , hinted at any disade of the digestive organs . The supposed that nout healthy chyle under a namal action of the notion is som converted into the ammoniacal rults of the wine . I that the appearance of the saccharine matter in the wine, show a quat defect in the animal process. Thus his neggestion extended the fac. that the negar is the negitable part of the chyle. I that the wine is under entain circumstances raccharine in otherwise, as the stomach is filled with negetable a animal ingesta. Nowever attentively we consider this pathology we must be Thuck with the number of concurring facts of the crowd of noble defender. The examination of the blood has proved I disproved nothing because it has been made on that which harben subjected to the capillaries armer blood instead of arterial. It has been repeatedly observed since the days of magagnic that blood decren som after exting exhibite decided marks of the presence of chyle Spalenhas observed the some in the wrine of those who were exhausted I had eaten of much indigutible ford below atmille I van Switer peak of the same in deabetic wine . our ductions to their puthology are simply these. It It does not account for all the sym.

100 ton (Asia til oto -69 feet 42 4 1 00 dy gu 1 stom especially the quotier 2th the perportion of sugar in healthy chyle forms to mall a one to the saccharine matter of dealette wine.

The garbies postbalogy is conservable has been teached from enterscence observable blamer approach phrysological punciples the recool ple approach of the principles of the principles of the principle of the principles of the summander of security six been so puncipally the state containing from their a facility of the three spaces of the principles of the principles of the principles of the security of the resulting the regarded with action of the commence against a security of the security of the properties of the security of the properties of the security of the security of the properties of the security of the s

In passe the environce of gastrie austation we assume this following parts opening from the property of the following parts of the application of the gastrie conserved by beard which the terminal of the application of the

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stimach; certs a powerful influence upon the mind; I the same is the effect of all gas bedienans. In refrence to the mental affection the emaciation in the disease is pear have from the wasting from chemic dinases of the organs except the liver we usually and the hopes of the faculties uncluded. The emariation is evering to the eternach for this symptom according to the observation of an ingenious with a chiefly follows the snaw of the organs of supply. The morted theet is also a peop of gastice initation Thatthy thirst in the physiology of the day, consist in an instaled state of the lining of the aufhagus Vitomach! marked theret winces an initation more intense Vit served from inc fumine made directly of indirelly upon the stomach Hintone the fame by salt food strong liques & poisoners drugs . I the latter by aspeal purishment regues operations Vicunds in ballle Spin prinner uptiles. The thirt in such assessmeltly proceeds pon the ini tating the stomach, because if these impressions be continued; or the patient be peculiar ly initable they go en to nauna remiting I the quantit garlie dirtuly bearing bequest by my garlitte "Thunger when corried to excep may in like manner bear increase of In natural initation. This bolimic assess the manner from devet Finderet impressents The former we see from many condiments I the presence of warm in the stomach I decidence of induct garbic initation is occasioning augulanties in the appetite. The facture in atuate thing Venerace puent good examples. Impunion on the shen from cold have a similar effet Butter after a forest march though the sources reized with Bulimia Thirds we way Mutack a feels both men & callle a fee similar coponers. That the inquirin act by intation of that hunge is a degree of the same appears from that that in programmy et

Wh 4/ KL. KS. Lie ill 1 ď. Sau. Rt. Ma i fraction to name a Someting: In the expenses to cold death follow from inanction on acoust of the inserpenth's gaster instability.

The causes of diabetes lend in the same manner to powerts gastie rigin . He has been shown to would from excesses in distreactive I dicke as also a defector the first some all calculated to make thongrimpe wins upon the stomach? It has been there to could from At from interese study signife I'm how from all the causes of styleppiae It has been chan to a pend year on family fred sportion, which is mostly an fined to disense of the degetion again Who said that it well from certain permanent initations. Willand Bardely Wall & Wilson montion cases of pulmonory initation Cowley the case of a parans Lake with calculi in a diabetic in whom all the other organs were healthy Beding fuld a hydratid in the hidney . W Wilson a buburulated oflen. Theselden mentions in his anatomy a case of diabetes consistent with carbancle . Latham? These facts with respect to carbunch want be suspining to those who have read the constitue. Timal decargement I garties disaster attending them as mintimed by absenthey Votesion gives us a case in which the lite of a venomous animal produced swelling Sabrusses allower the body attended at the same lime by diabetes. There was two cross on in Lathern of the other Thelieve in Broudoley in which divisio potents from being anded became wave of diet. It is not impedable that now dialeter case may have according the letter of the Diposes I bulped in this way also to confee that name up in this disease. The most invincing proof however which we have of the production of diabetes by facign initation is in the case of children during buthing of this

<sup>&</sup>quot; one similar.

Laso A ing b the tu apo of the Lon W.c. weg 17/1 So Comes has govern several enterstring asses I as have many others in the rushing broadles I Mondoment. This fact is alone emalusive to my mand, that disabilities a season of the degretion engage.

Having advanced this far it may be preper here to consider there approximantil have been considered to favour the sonal pathology V militate against every other Ha ving hetherto made few allusions to port mortem examinations we may now state some of their would. The kidney are often flaccied & enlarged though in many cases they are prefectly healthy. We all know the description of Baillie? Though generally interest the historys are almost always flucieds sometime they are red but oftence pales The unter are sometimes onlarged, the bladder thickened I the withra exerciated. What an each appearances to prove? In favour of the unal pathology nothing. In more than one fourth of the reported directions the hidney , are wound I had the proportion ban much lifet would have been sufficient to prove that the disease is not always a The florid Venlinged tate of the hidneys is the result of an increase of their our cularity from the inequality distribution of the blood. The course is partly thick all cases in which there is no enholotion from a cold day shin , I the other scoution on stopped; we have a congestion in the large vessels of the internal agans to unsequent inverse of wine. Such then is the state of the kidney carbeting mas the flaceed appearance of an engagement of its senses ramuscules than the happer to phia of show inflammation. Finding the kidney then healthy ingaged facis, play pues containing an hydated how are these various states to explain the same " discover of the hidneys

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phenomena. This is my volutions flaceidily acies from engagement, free from the word of muces of the initation of a freign fluid and the hydalid as accidental object which posably initated the etimack sympathetically. In that way Sacount also for title hidney being in flamed at the same line and her Spopow a guew which is in me muntable by the unal pathology- Ideabeter is a direase of the hidneys how happened, that there is no diabetes of one kidney! Then happened I say that when in the qual proportion of cases openally inflammatry in which me kickney only is affected that while case we should never have one? When any other gland in the body is inflormed It secretary powers are diminished here we are to be presented into a belief that they are incuand: Now I do not believe that the hidney are agan varying is much in their equilibrium as many until have us believe. I the Specent as my warm. The wine is separted in the expansion of muceus membrane which lines the bladder. In health the much qualu prepartine of the wine resolut a rather dragueous parti are by their reducibed. When however the wine prisenes certain farige properties as there of alka be Yother duraties & posticularly racehoun matter Ywhen for the the murry men have is installed it is not all absorbed I we have a good increase of the discharge; There is also in addition to these critical and in addition to the symptoms of course of rille which cannot be explained by the renal pathology and he fact which militate thoughy against it. It is this . The resin after fasting all night is much more saline than it is in the afternoon when the diabetic hareaten during the day. From a river of all there facts Totalements Sam led to the conclusion that the history never

The dels s Here add. Siz : Kohn Sect o M. 10 her. 1 7 Nic. lini lat aid tiers de can out of healthy blood secrete sacchaine wine.

Thing is a mental invention by which we connect; exercise I explain the socious buts of an individual science. I so long as this office is preferred it is entitled to our regard. Then observation has discovered new facts, or invalidated there family intilled to audit it is opposing the cause of truthe to mould the fact, to the theory. The links of the chain must be proportional to the development of facts in others words, the theory is to be changed . Rolles there of disbotes was once true . Since numerous observations have un said it improbable that sugar ather exist in the blood a is formed in the stomach. although the statements of mither party are perfectly conclusive. The weight of object two worthy of regard. The propositions of the gardie pathology with respect to the familian of sugar in the blood were muchy hypothetical Tget they were bothe supported than any which had previously been advanced. I deem it housen unnecessary tool the struck should from sugar in order to captain its limination? This much however it may be required to grant; that there is a vital power in the option; in the language of Some mix a vital chemistry uniting Vin cutain com over ming the dinganizing chemical efinities to under substance subservent to newhition? What is more probable; induct? what is more true than that this prove has it inverse & its decrease. Whenever it presides for fully over the executating fluid the organs do not long this up to the proper standard. How dispose of the unweldy eargo Nature lellens in the quat agand queste When that quat organ the blood is too quat for her control , she wrigns a part to the hidneys Fencentialis her power upon the umainder. In the adinary variations of health

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and disease the were serves all purposes. But in the cases of disordered pendion of the prime in delaying her with budly elaborated chyle the went to the production of sachaine matto a the become may much an it is able to assimilate eliminate the eace fin his bladis of honey It does not then appear to is necessary for regar to be formed in the Armark. Timound by some means to the kidneys. It is only necessary to consider the disollet date of the stomach; the lop of the governing power, I the depeties recestion of lile & pararatic juice. It is only necessary to consider the quat difference in chips formed from suitable or animal ingesta; of the quat quantity of sugstable food consumed; of that with to improper gardice secretion it forms a chyme, differing considerably from healthy obyme; got diffung in little that the lactual brange it without much difficulty to the senous reprotory. It is only receiving to consider puther that if the power of the stomach & Here appropriated to digestion & assimilation be distributed to a proportion of chyme schule was beyond the natural of no much altered in quality that the block their supplied though nt suchaine must be for in many respect from that which is healthy, facilities description has Sundantly shown; It will be said that in some persons the feed has not been alow the natural quantity. The fact is adminable I the explanation places. The post base ithe ban of that indigestable character or the power of life so weakened that in either can it is impossible to assemilate. We see the same operation preformed in health in he fanog of entain substances to the kickneys, which nature being unable to a similate quards them in transitue so that they are not found in the blood . Special them to assome there original form in the bladder. Case in which this course after the long use

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of meager deel with mordinate labour or after attack of force are thur worly explained of the cital or assimilatory power being dispreparationale to the quantity of chiples we have several interesting cases. The following is one to be explained by no other throog. a young lady at 12 a patient of Me theriffewar able to digest three bireuits dais by without the least appearance of saccharine matter. Lat a fourth being active to the allowance the wrine immediately became sweet. Bordely reports numewes instan as in which he permitted small quantities of regetable diet, throughout the cure, not my without injury but a greatly allevating the distrip from animal diet. and why? Quant the patients were able properly to assimilate maller portions of such chiefe "Wo so not breach this destrine to suit this direase alone; for degestion I assimilation in health. has the power of overming only a certain quantum of inguta. We can digest only a estain allowance of find and in all cases of encep, it returns from the storach, power though the intertines a remaine as unmanaqueble wight upon the stomach. Now there are there excumotances which in diabeter do not occur. In that dieses the excep of first is not evacuated by cometing in some cases indeed it has been found about in possible to produce emeris by the largest does of antimony. That the suplies is not carried of wither by the stomach a brush arises from one instaltion alwardy having pursures of them. a lope of power in the murcular files of the canal consequent always to initation, a defeet of the bile I posseratio juice of inally a deficiency of the mucaes who lation. Me absenthy mention cases of irritated domach in which it required lary to pecha twee of purgatives to new the interlines. The like occurring in the present were.

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The feed then which orders the stomach of the dealth in such quat quantitarisis we manner digested I'm some from disoppears from the coul Ventus the blood . It also pline may thus be partly accounted for that the discharge from the hidney to or incurred dobrosphin in the bladder diminished. The persony the lacticles a so much nevered that they such a fluid with writing which in health they might a jet . Propor entering upon the treatment of this disease; it many be propor to recapitulate to cuttinu of our pathology. From entain causes direct ir indirect inchave an ini tation of the mureus lining of the stemach Howels, the fusing unhealthy gastrio wie Va morbed inouse of hunge & thirst. Thence follows the reception digestion t lactual absorption of a large quantities of negotable ingestar, for excuding in quan the squalities the power of assimilations under these encumstances it is quarted in hansitar of thrown out of the circulation by the hidneys in the form of suchaine matter From the excitation of the demach of the determination to the organ, there in chumic congetion in the internal venus circulation, which joined to the notice of the fluid present secretion in the other organs. The quantity of the wine is in owned simply because much liquide is taken , I because more the bladde re purspoon certain causes to about this dialetic fluid.

The beartment of stanbets basealled up successively all the inventions of numan insuranty. The his large of the disease in their experience to large in many filey importance large. I may are experience unum pedant on apology well



be offered for bristy. We shall feet mention the most popular methods of our be for the time of Hello The first of the was the astringent de ting its viegon from liber, uging that "the first is to be astringent of the wincough I stung." as this practice. intimed in racion from the medicines and was reso water tornentil permigranal; how water oak hid the salls of in scaled with Fwith many other alum. All De swrays there needs nothing in this disease. than to drink quarter of a pint of alum poset, first Plast as strong as your stomach will bear it. The second penotice the Increasant built upon the declines of Sydenham I Willis. The relationered under the title of incraments to thicken the blood were rier , dorch mucilages gums wins allumin of eggs to Sydenham added to these warshing det to carrity of times to stungthen the blood"

Framour pathology of this disease we derive with some diffidence the pl

loving indications of cure.

It To reduce the morbid withhilly of the stomach B. To would the gasher men tween IIId To avoid all those incumstances of diet where as to quantity a quality. which augment every symptom of the diseases IVI To asset the consensation process of the system by reducing the circulating fleid. It V To note the pention of all the other ugars. Such are indications of war so divides as in part to farme our palhology of the dis new decorranged & allied likewise as to introduce; without introducing absency rap. has of the reption. the whole catalogue of remedies.

The mulid initability of the elemanth being mountained by course either direct.

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The resery opinion in disabelie examinent. Ultim find remounding its in find be flament mendiumation and one old analous to the pound day of timply must include one I have been well exhibited from the continued and have been relied expensed the flament of the day of the flament of the companied of flat of the smaller as a formal for adjusted. In displacific in many from grown is every multi-3 language that in these cases in which displacific in many from grown is every multi-3 language that in these cases in which displacific in many from from the most of the same from the continued to their must displaced the same similar power template must be their must displaced by the third must displaced by the third must displaced by the third must displaced by the flat of the same should be their must displaced by the flat of the same should be their must displaced by the flat of the same should be the same to the same should be the same to the same should be the same to the same same should be taken to the same same same to the same to the same same and the taken the same to the same same same to the same to the same to the same same and the taken the same to the taken the same to the taken the same to the same same to the same to

The initiability of the stomach has known as seminared by lunging what is cleaned of the ways pretendant. The annual next is termities, while established function to address case I have have of these case it has have with asternitings. Ju combines might be propully learner to extend on microw was

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have it commands purchase. Mishty cased a case with this medicine alone in small sees. I destructive y inchange his language with similar many. Carolherites have tare purchase in distribution of Historian Montalle & Estayle. Spelastly they are the reaches on schanging the graduation. We have that they are of near to the mamen members are spelares of languages.

If the manned to pursued in the disease when it asises from a friega is station and have very bills. It is closers that such an instaline emplit to be whined if pouble, theretwo might also under the elemants resemble to such sympathies

It to consist the accidency of the gestine meastimens are have served amodes of though they are not asternated if well that incline a serverely then found to the advance of the medium of the house of the continued to their section to the medium of the tenth of the medium of the section of the sec

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and in J. in É 100 Ell L this liv li ariti 56 ol a tak Line ¥ 7 the state to. · mph assuming: So purchic however or be fundered with the animal start is not a furdice as of the what of which he is a furdament of feet the world had a problem to a sub-official trained by the start with a fundament of the sub-official trained by the sub-official superior of the fundament of the sub-official trained was a sub-official trained by the sub-official trai

The have a made of the packley with which extraories alone of sets personance of the second of the made with the second of the second of the object with the second of the second of the object with the second of t



stoling assimilatory power. In resetting to the hidney nature could soon be relieved . www not delugad by the inadinate supply Seacusine action of the prime via which what the brink of destruction. In addition to other here fits renesection have established , and safety salve. He cannot have a more beautiful example of the gradual return eximilation; than is shown in the successive improvement of the blood. Take e.g. Me The summary of a case. The bleed was fully much the same as is generally met with in Shite I sumed to ague with the description given by Des Rollat Dobson Little change deplace in the first their bledings The frest however was qually altered . It had he? we igy on top, I'm woling the inassamentum acquired a considerable degree of find at the fifth war umarkably in flamed, the buffy exat was thick I firm I untracked the inge of a shilling. The conjulum had assumed a globular from Thecome so to sums that it could be held out on the point of a probe. The sixth was still firment artition to other appearances. The sesum had acquired a whiteshylow & milhy ap parace. Then change in the blood were singular Farenfucted but There often son them row". Such with description given by more author than Me Wall . I much with bourier roumption of the assimilation, until the bled from a week I divolved beter regains its proper censis. This There no doubt is the proof in comy method of ne. I can be effected in several ways especially by a well regulated diet. - The duin of the circulation to its equilibrium, I healthy danitored is not left we workable than that of the blood. The enternal ocine which during the height The disease were almost closed to the purple count; fill again who returning

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Lattle demands these seniors who Will vary, that issuing the course of encursalisms they have some to make largists. In some of the medical of the Seterhards Institute having of Pollpart. These sciences has a officed a first of the conservation. Principles makes a public science lakes of few the amount is a full chain. It he failured by lightness of the standard by high party of the control designing to lack out of high party face. It has the soluted by the control of the control party face. It has not obtained to the law the a party face to the same of the having the and filling of the lack of the about the party face of the same of the having the anti-lack of the about is a claim of the hay owned the lack of the about is a claim of the on the hay owned the lack of the control of the about is an elaborary time of the hay owned the lack of the control of the control of the about is an elaborary time of the hay owned the lack of the control of the contr

By for ever leaving this must endewiding contact hear it may be paper to what the tender to the and find or may be paper to what is the little to the amount we may be easily a naise. To evenly a place to be a the common was a large or all free for tends that is at the common words a size seased to be eathered to his is expected to the lower part of the decimal of the large of the it was a common of popular fraction. Here elaborated to the growing others a larnot and by time to that there is no would give the percentage of the words of the decimal of the large of the percentage of the words of the percentage of the words of the large of the percentage of the words of the large of the percentage of the words of the large of the percentage of the words of the large of the percentage of the large of the percentage of the words of the large of the large of the words.

I be lest institution is to solve the penetrose of the consistency as the law trends allowed to show that the provision we hapt institute by the ether you thought to show that the provision we hapt institute by the other commences the stimum is that when the institutely of the chamber I she allowed a transmission.

156 L 1 miles 5 Kin 1 ma i ch 2 2 24 600 worter 0. 5,00 ial blace n also Te pres To date 160 af 80. 15 th. - 1tous an imment. The regard remon that unders of spection. There are lines to make my fact the present to assume another ride of this between tention the equilibrium by street impurious upon the regularies.

The shin is an organ, upon the cularities of the functions of which much has be written. I much has been attempted. The methods made we of in dislete, to star inculation of exhabition to the organ are their by cational means, by intenal. Thy exercise : below practises the first . doising fictions in the own or before the fee. The dechions, if Promities is to be believed, have long made use of weating in the weel . There is also speak of it recommending the application of a apower from a woods tenil. march proper the sapone bath to any other method ... Internal diaphoratics no here in like marner first used by the Medians which were nothing else but our teas of susaparello : china is. The quat medicine at the present prived is Touts, which answer numerous valuable indications. The properties of its constituat have already been alluded to and I may be permitted to suggest that they very always be used in combination with incurand benefit. The third pear two of exciting the skin by exercise or hard labour originated with tam Switer The relates a very interesting case of a gardene whom he eneed in this manner batto Vother have lately related many unilaveaus.

The live is another ugan exhicit may remitime be actest on sell one of it is putable that inhences we relain the functioning the shine that we it the same time are of goal benefit to the liver. Aishte unct me very

<sup>-</sup> Dr. Daves makes use of spirit of temporation externally in children

Ex. 20 تأذه : ep . At 10. 100 afterness; in several cases of diskets: I I have been informed by a faince the beauter for case of the tensor in the column purps. I disket however is constrained think about the constraint of the disket for a fair of mercency. I many cases of this dismes have have been always by beatt I this under the administration of the nature I with market with a market without

In encluding the last division frow subject we may observe that their as for semedies which cannot be classed. among these I emide of hoop hair

side the presence a label of existence connect constal for my himself. The ball of the ball of De blade has been advised a sunning other by De blade ham. When the lining omnownesses the place of the distinguish in flavoured has much been an emperior a dispirable being by foliable to the grant distinct how the much be a sun emperior a dispirable being by foliable to the grant distinct how the much be a sun emperior and in like manner release the stemment.

to have access to principle discourse will released prince Said land to have